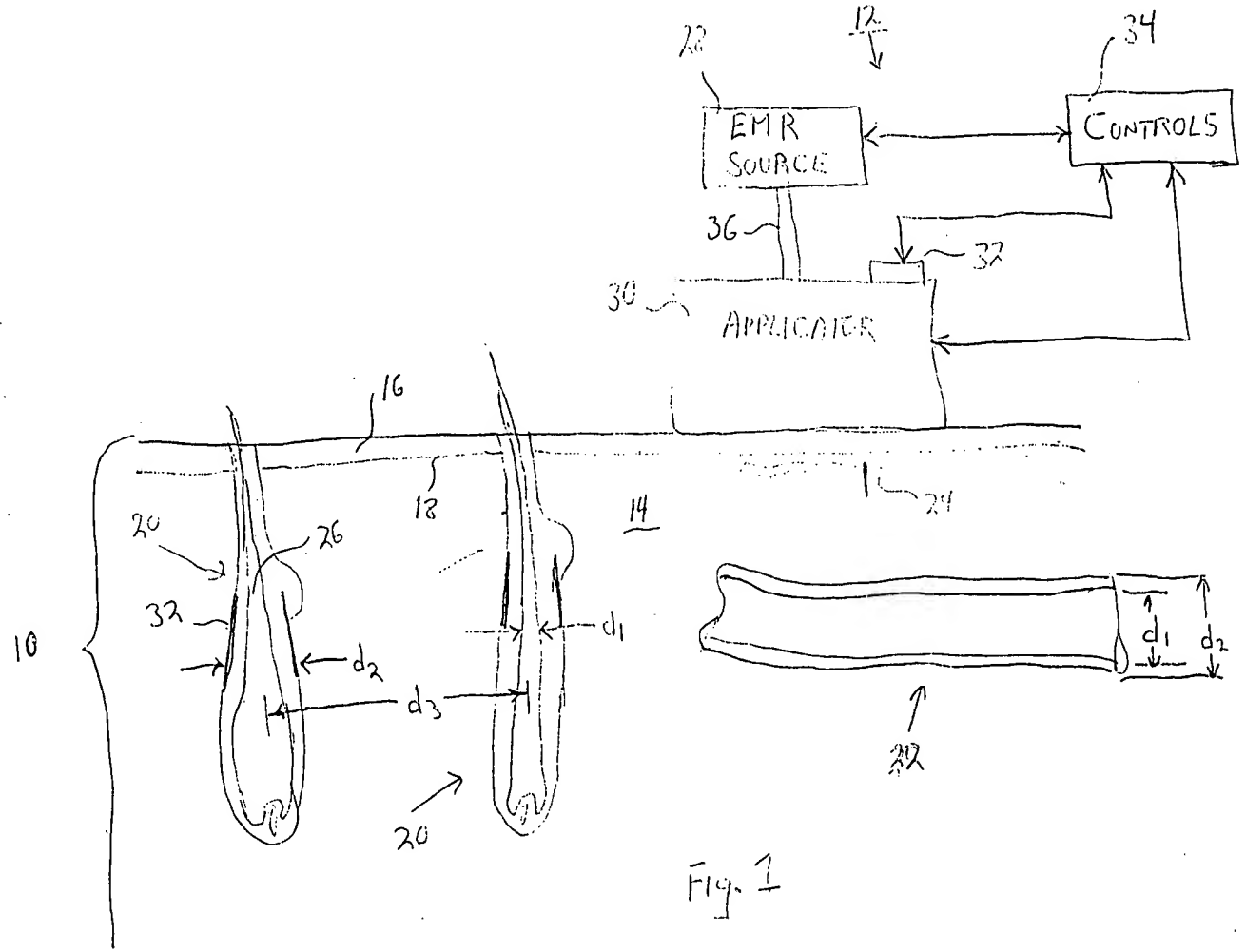

12
22
EMR SOURCE
34
CONTROLS
36
32
30
APPLICATOR
16
18
24
14
20
26
32
10
d_1
d_2
d_3
20
d_1
d_2
22

Fig. 1

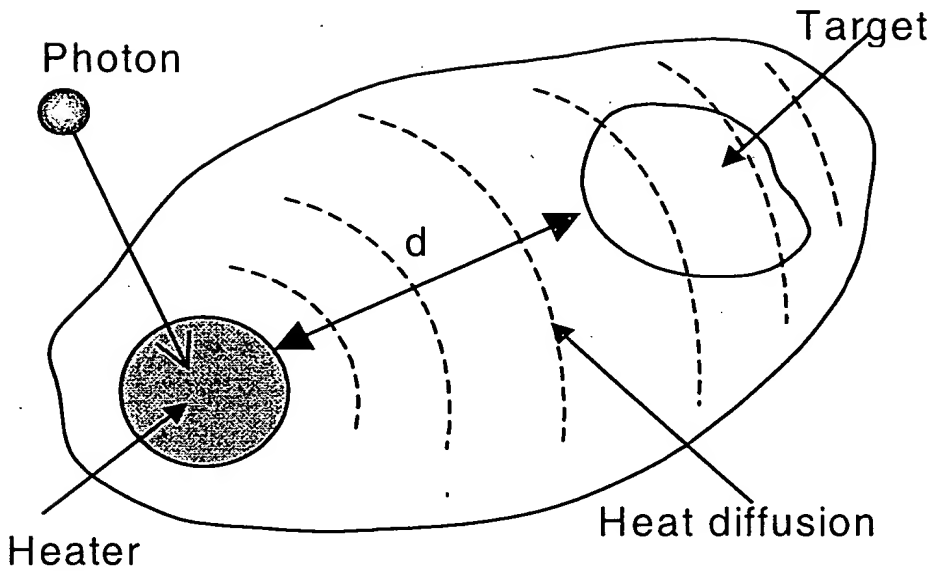


Fig. 2

0960604.042504

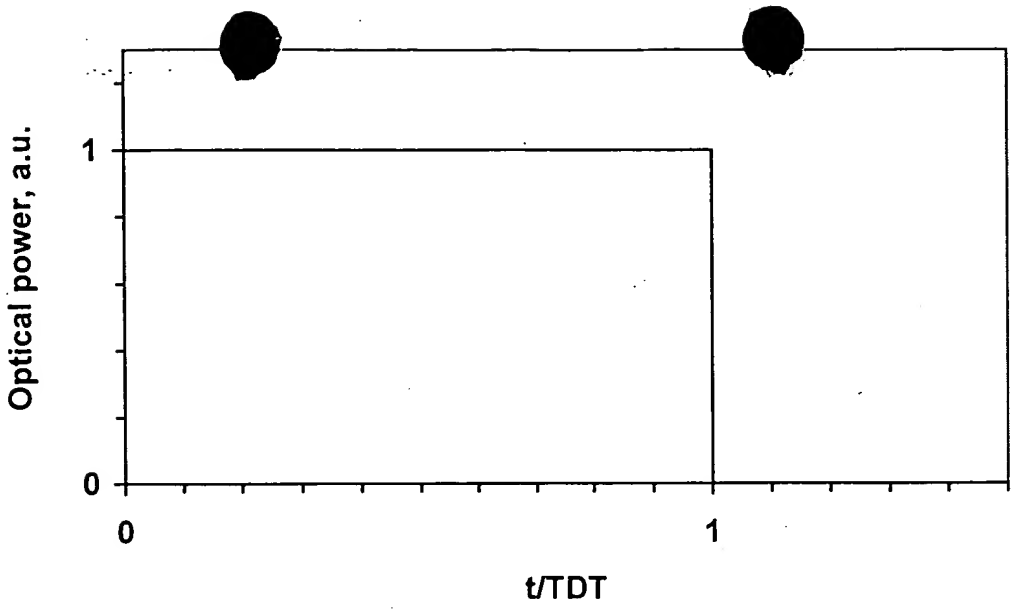

Optical power, a.u.
1
0
0
1
t/TDT

Fig. 3a

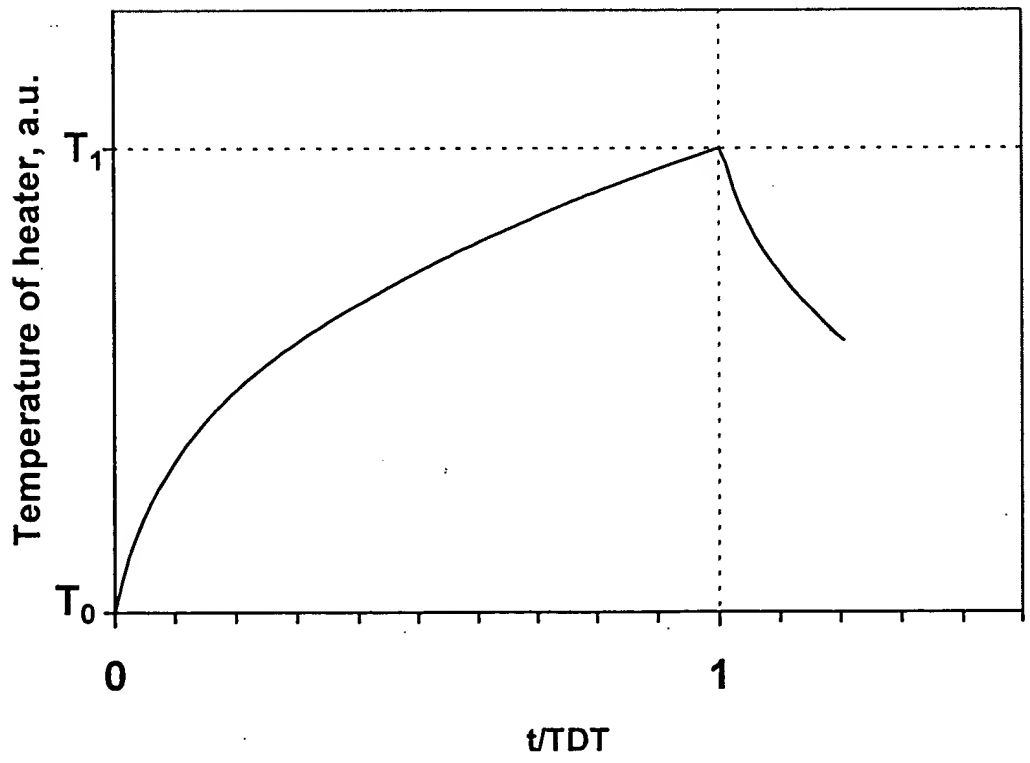

Temperature of heater, a.u.
T1
T0
0
1
t/TDT

Fig. 3b

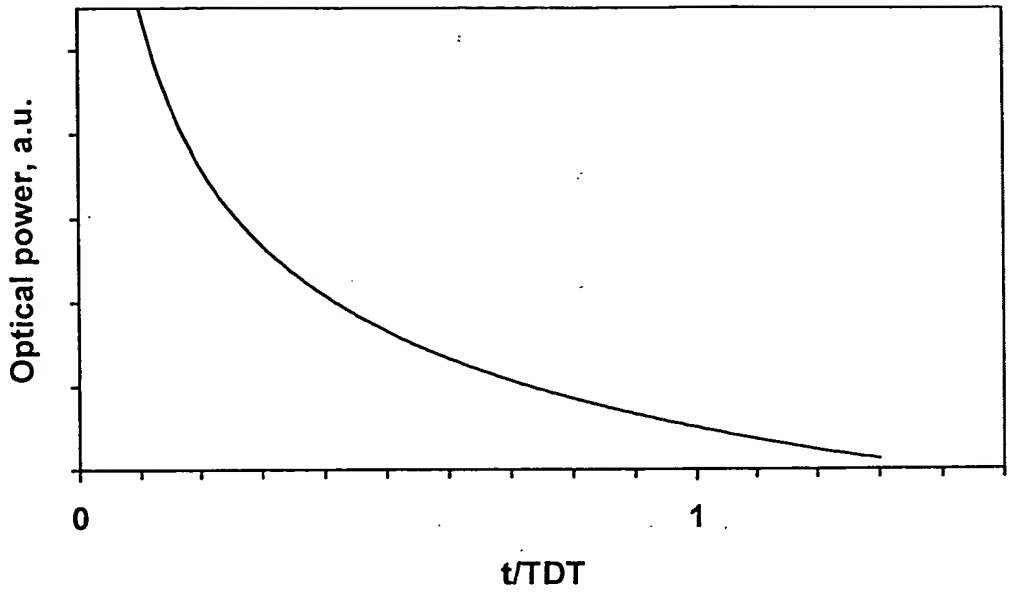


Fig. 3c

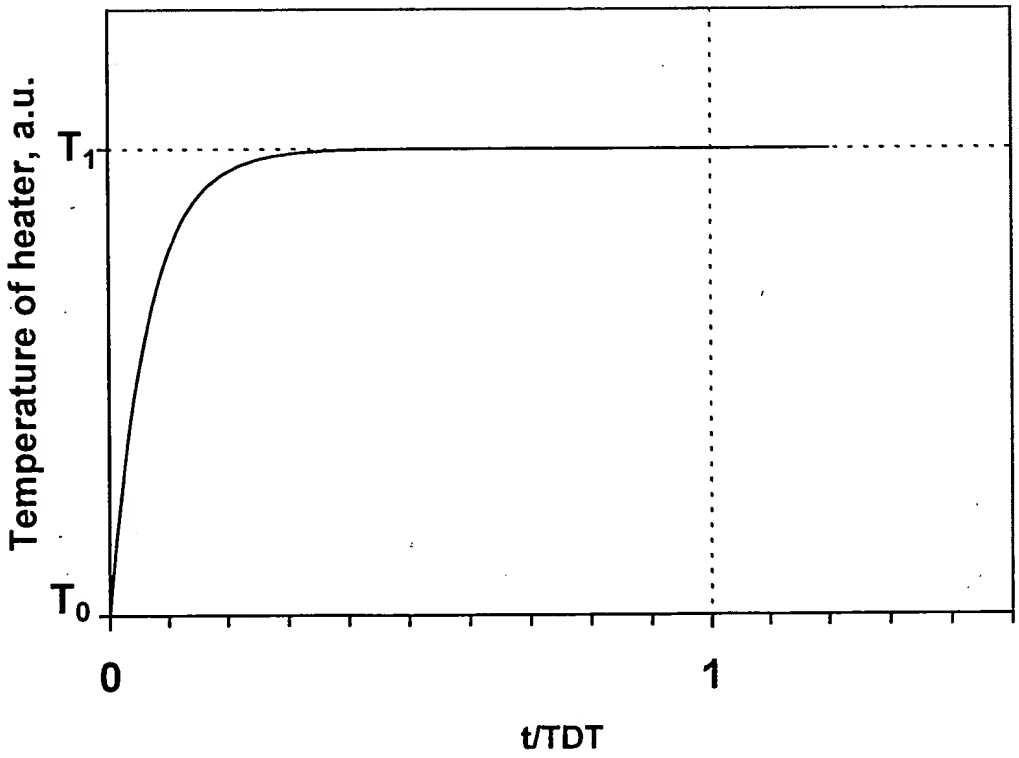
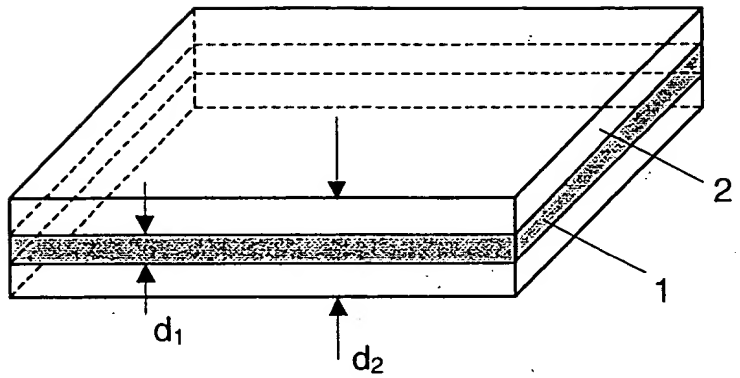
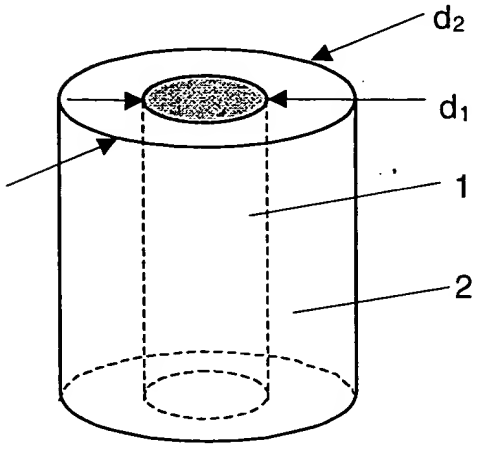


Fig. 3d

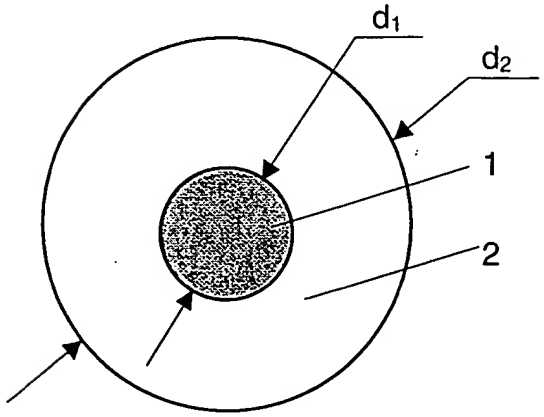
0976960 - 04260



(a)



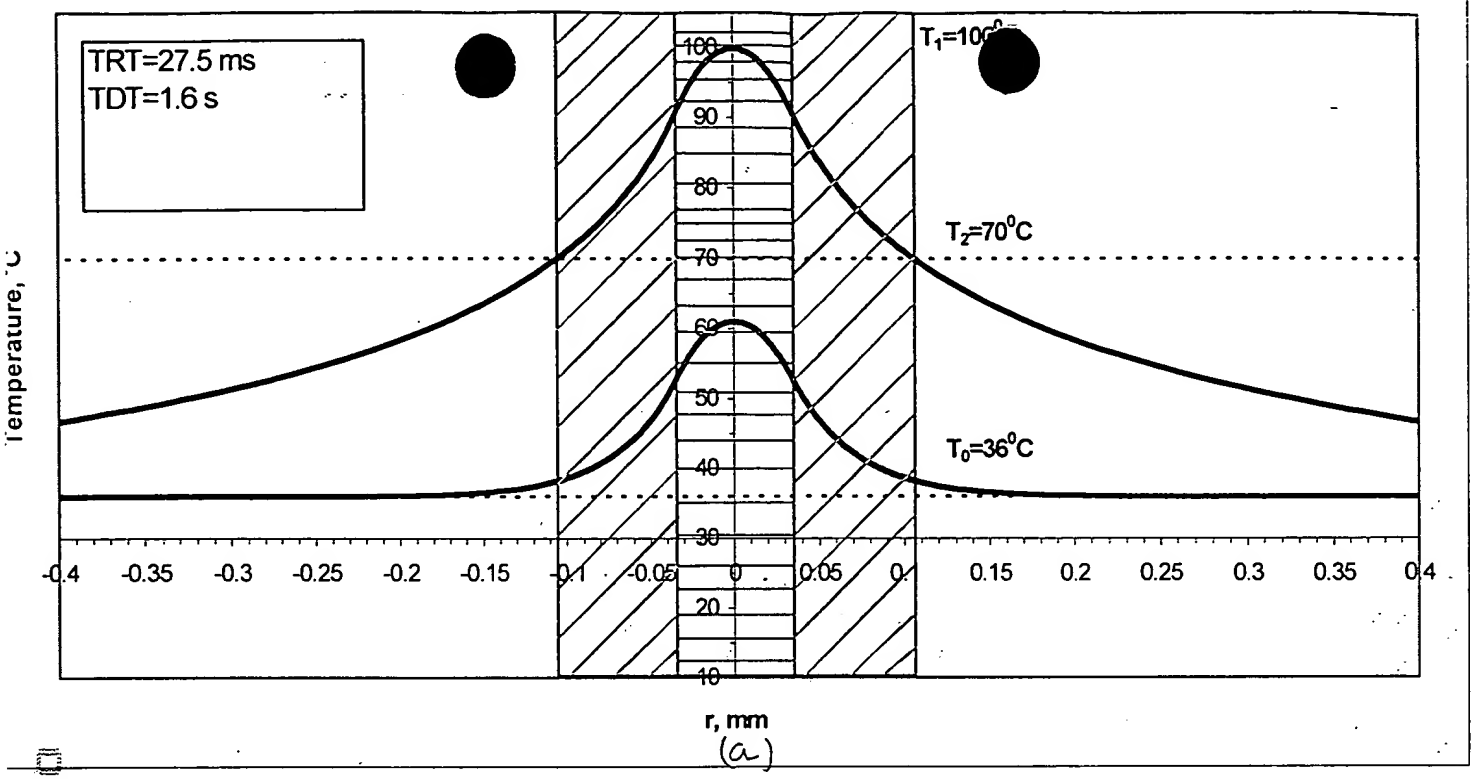
(b)



(c)

Fig. 4

EP 0 950 904 A2


TRT=27.5 ms
TDT=1.6 s
T_1=100°C
T_2=70°C
T_0=36°C
Temperature, °C
r, mm
(a)

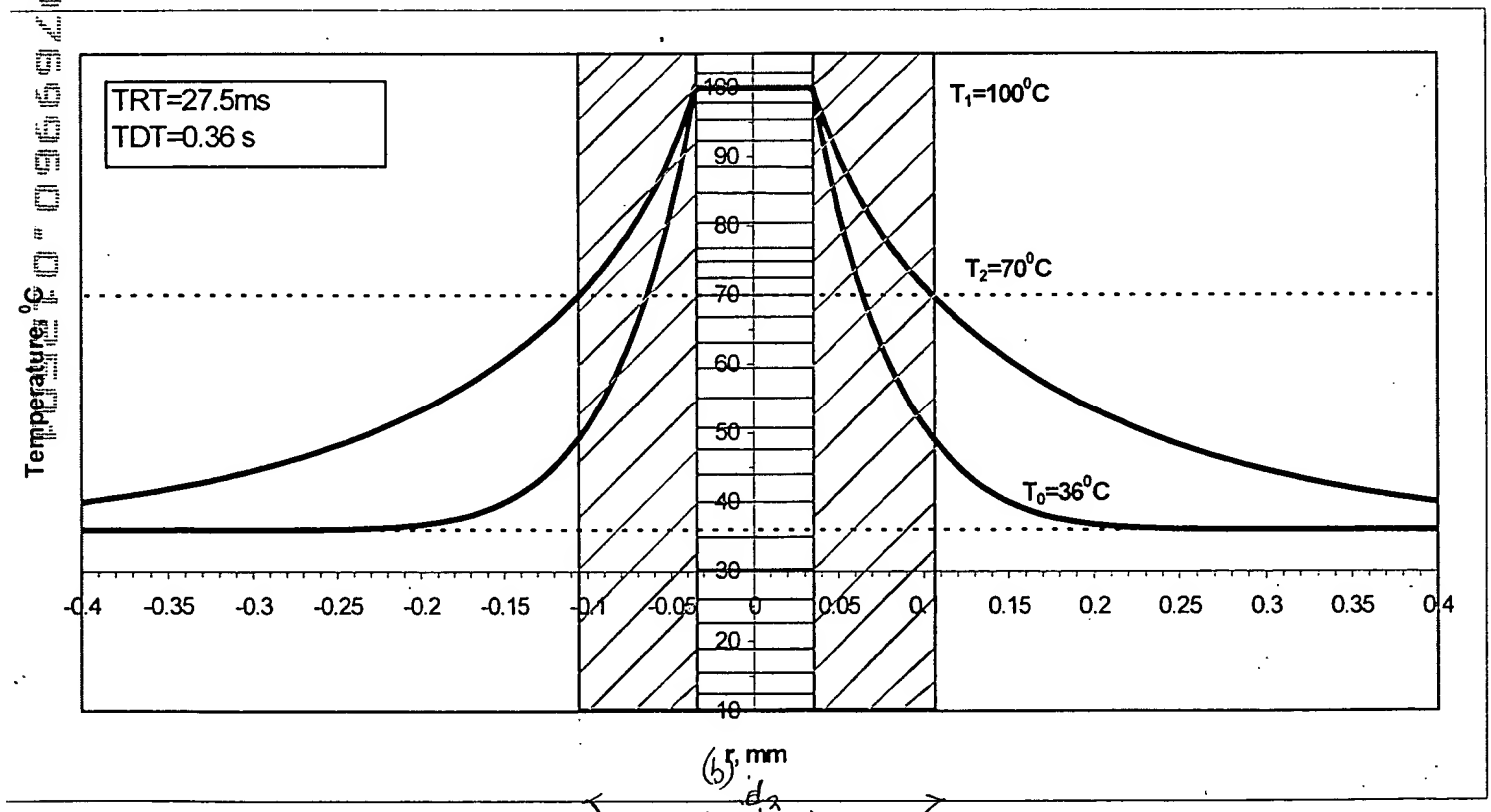
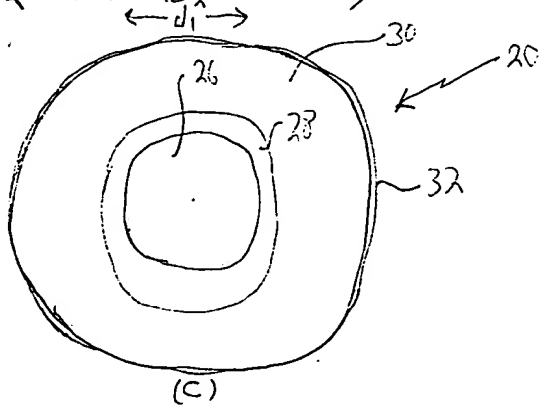

TRT=27.5ms
TDT=0.36 s
T_1=100°C
T_2=70°C
T_0=36°C
Temperature, °C
r, mm
(b)

Fig. 5


d_2
d_1
30
20
26
28
32
(c)

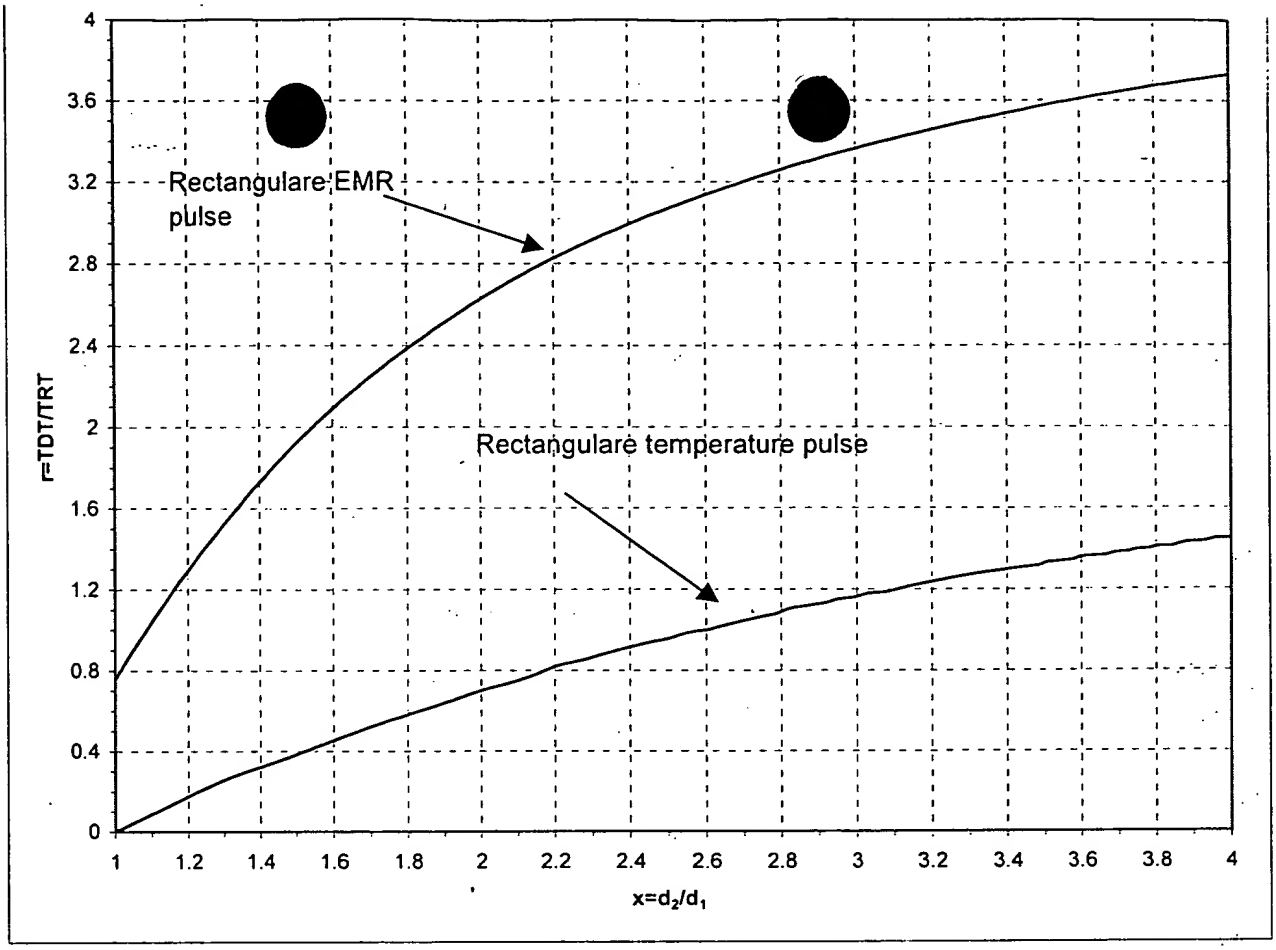


Fig. 5a.

EP 0 550 270 B1

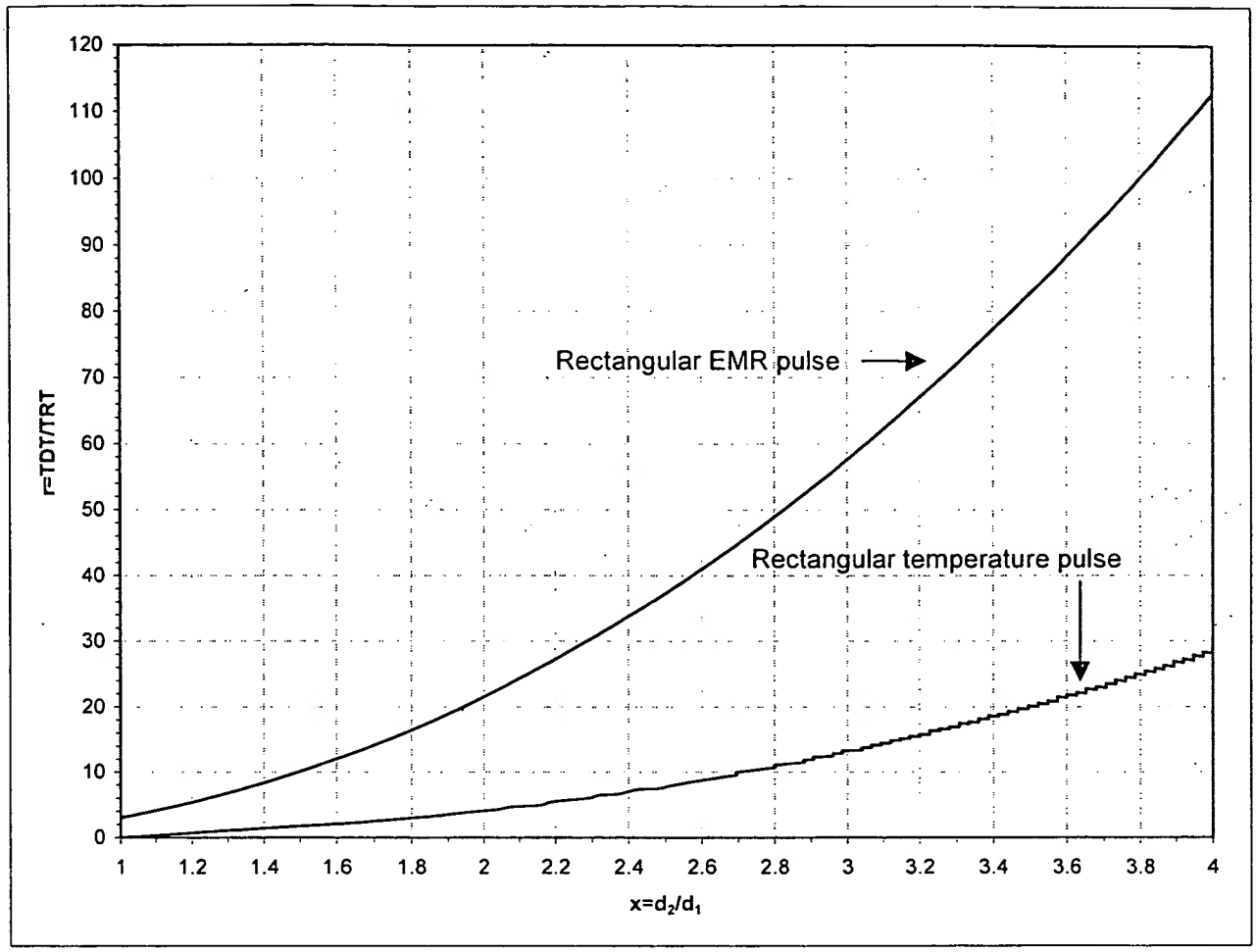


Fig. 6b.

0 2 9 6 9 6 0 : 0 5 0 5 0 4

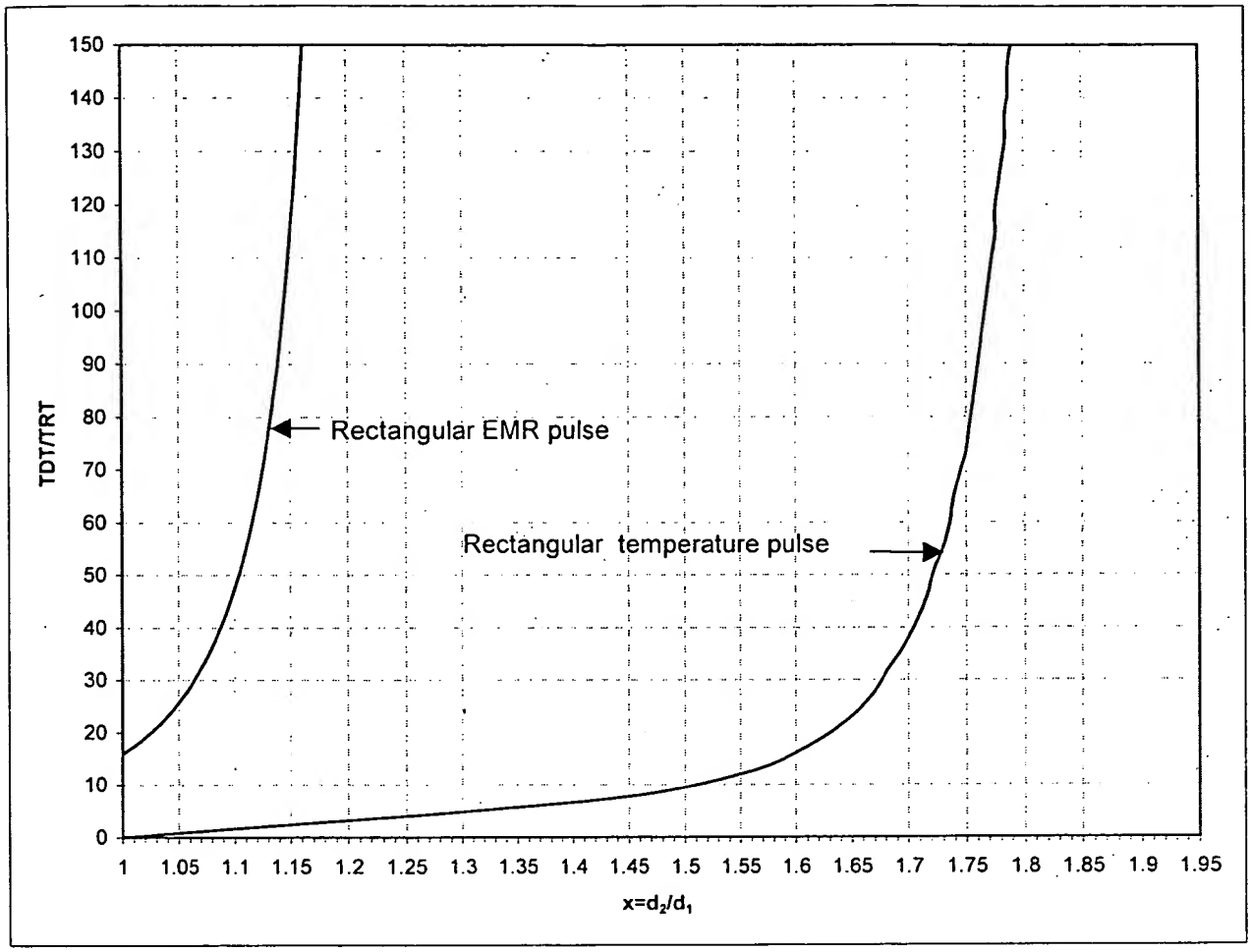

150
140
130
120
110
100
90
80
70
60
50
40
30
20
10
0
TDT/TRT
Rectangular EMR pulse
Rectangular temperature pulse
1
1.05
1.1
1.15
1.2
1.25
1.3
1.35
1.4
1.45
1.5
1.55
1.6
1.65
1.7
1.75
1.8
1.85
1.9
1.95
x=d2/d1

Fig. 6c.

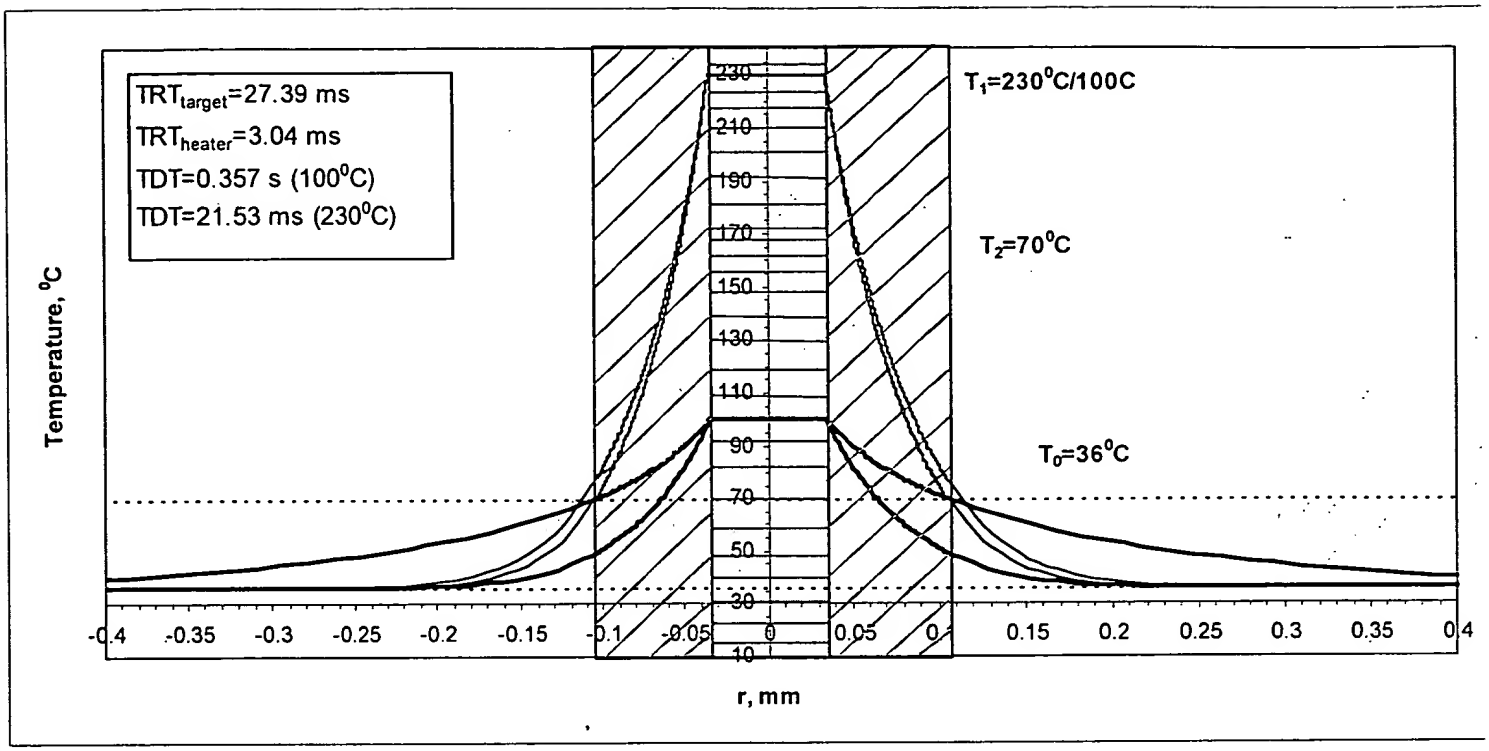


Fig. 6

EP 0 756 905 A2

Temperature profile

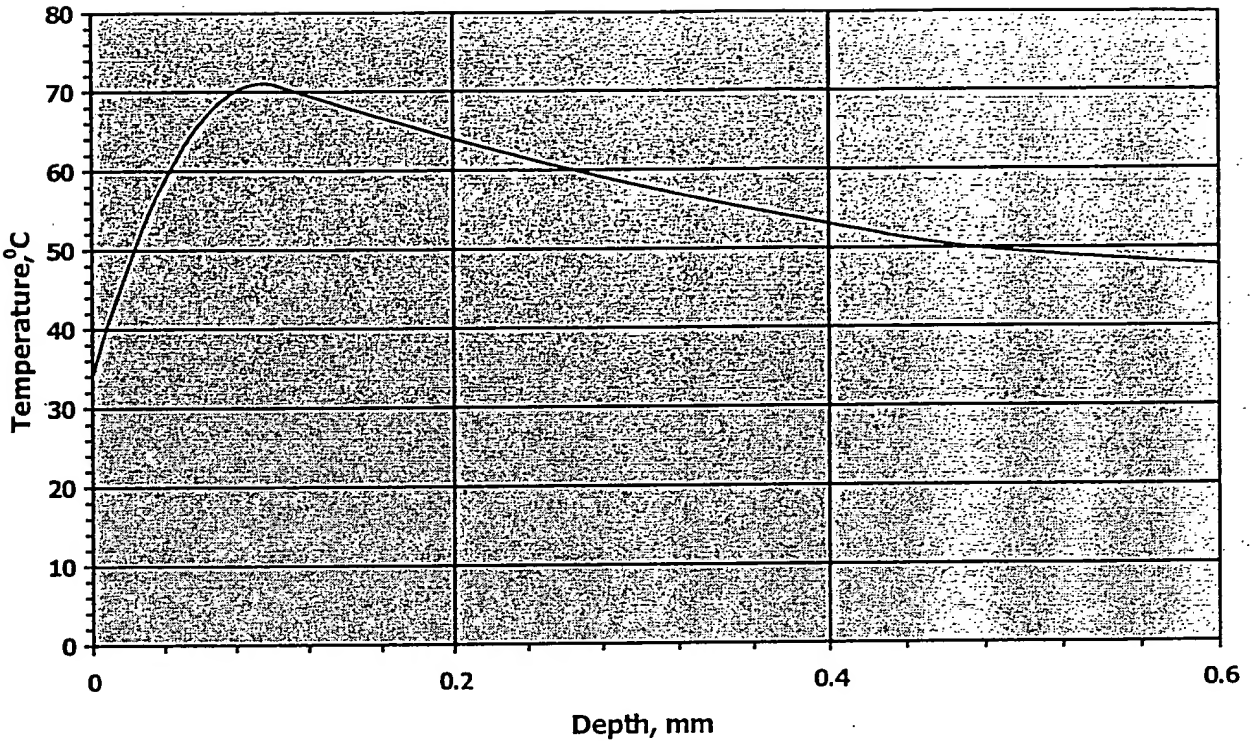


Fig. 8

FOSTER 0595750

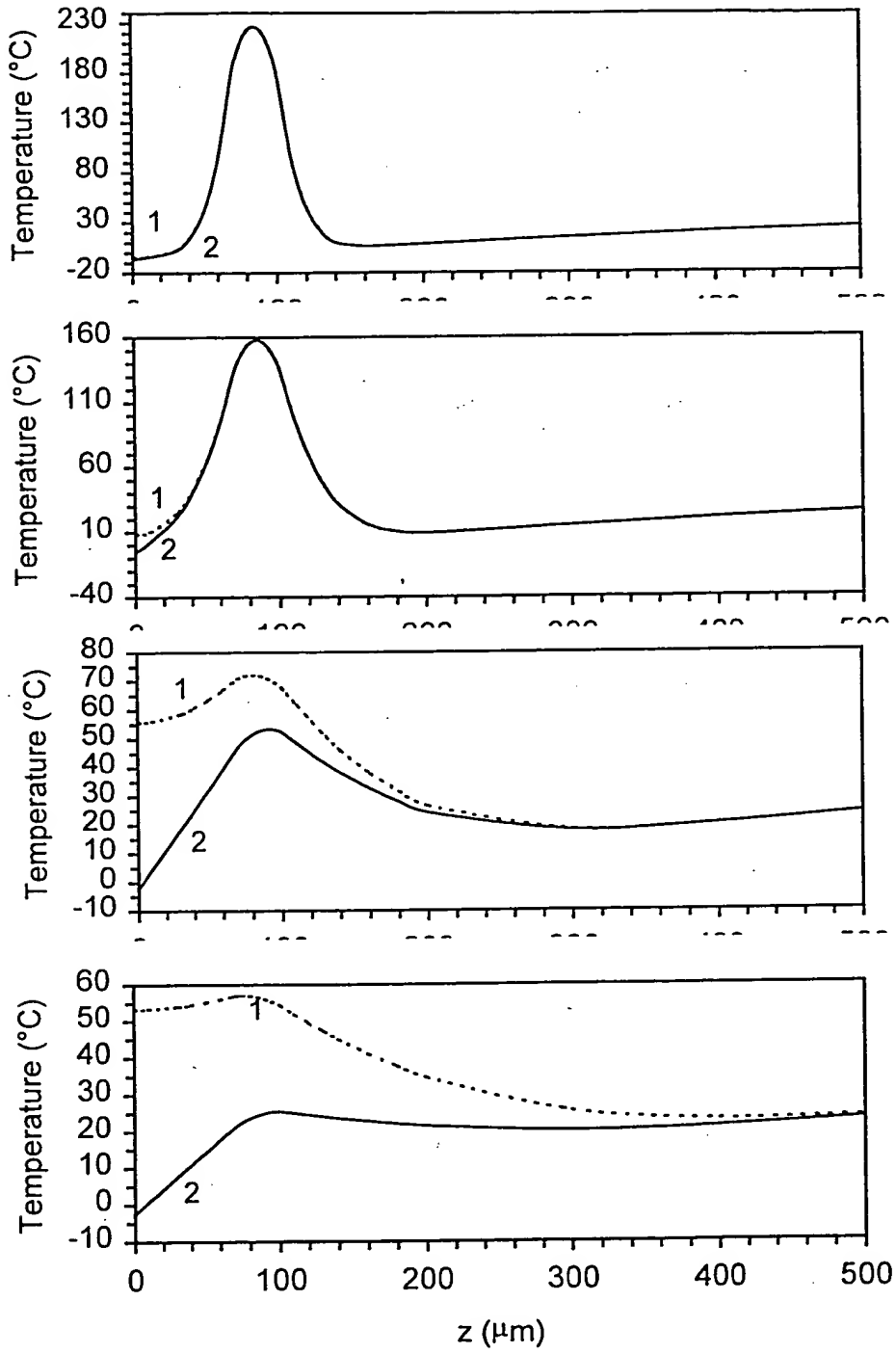
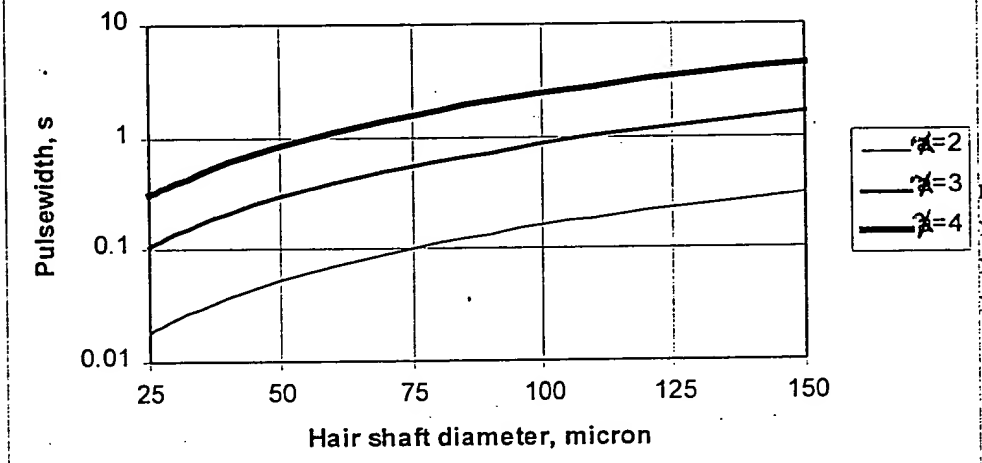


Fig. 6. . Skin temperature versus depth at the end of an optical pulse at λ=800 nm. Parallel cooling is turned off for the dashed curves (1) and is on for the solid ones



10a

Fig. 2a. Low density of hairs.

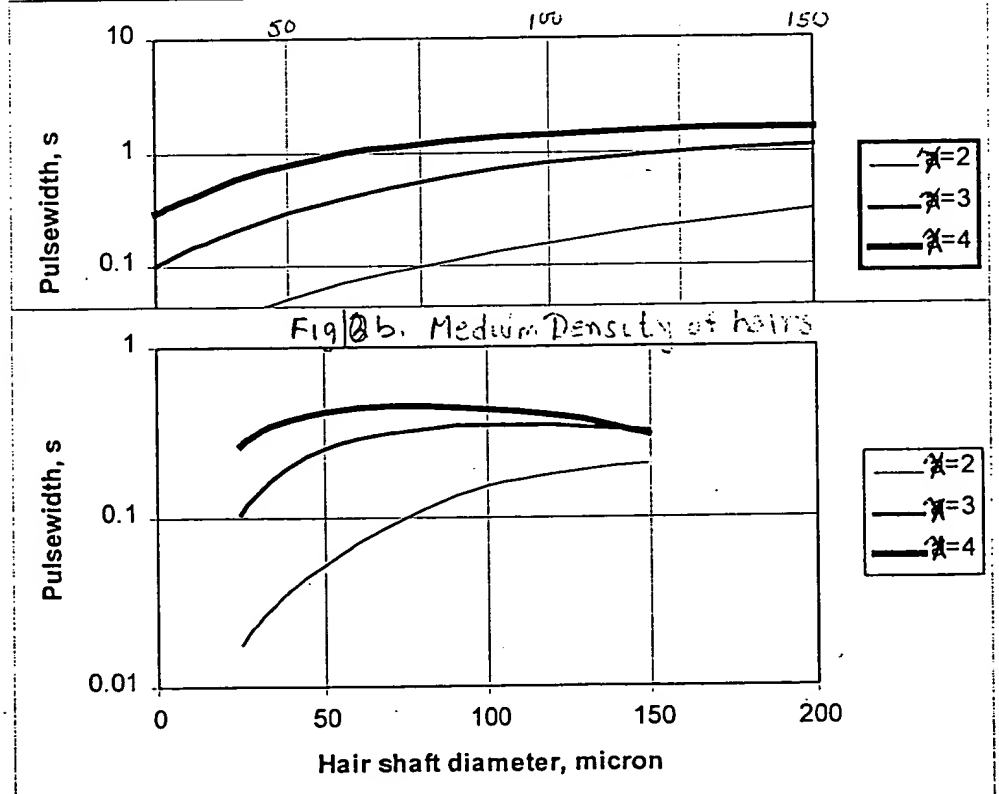


Fig. 2b. Medium Density of hairs

Fig. 2c. High density of hairs.

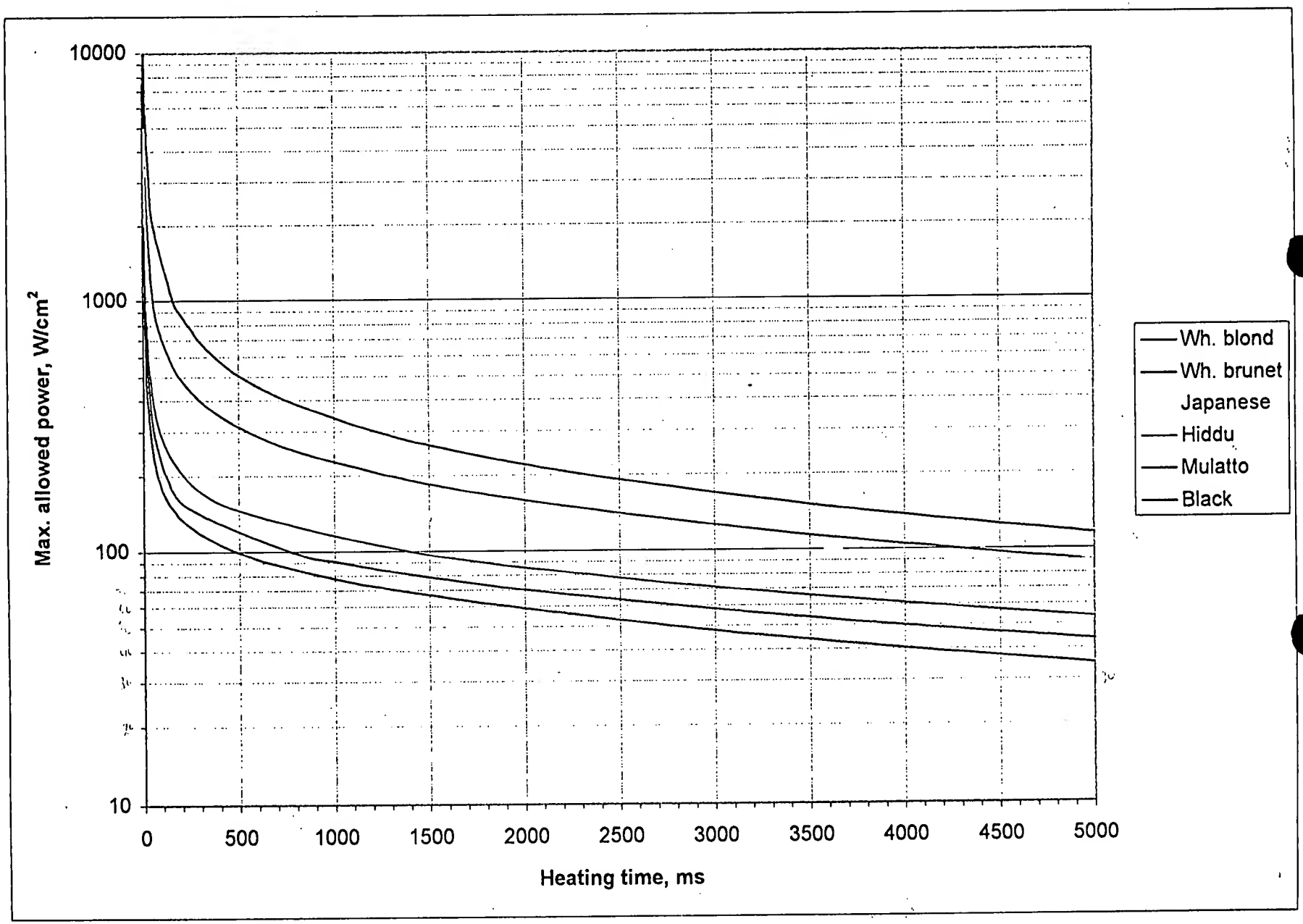

10000
1000
100
10
Max. allowed power, W/cm²
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
Heating time, ms
Wh. blond
Wh. brunet
Japanese
Hiddu
Mulatto
Black

Fig. #1

EP 0 950 730 A2

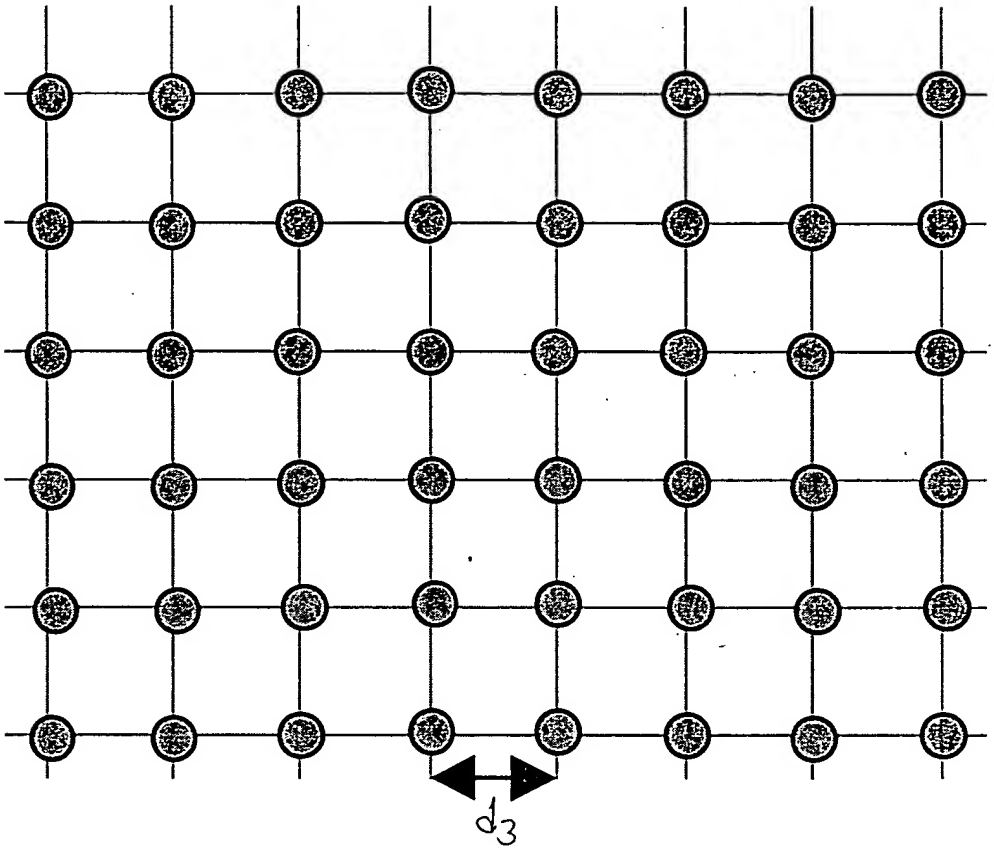


Fig.$2

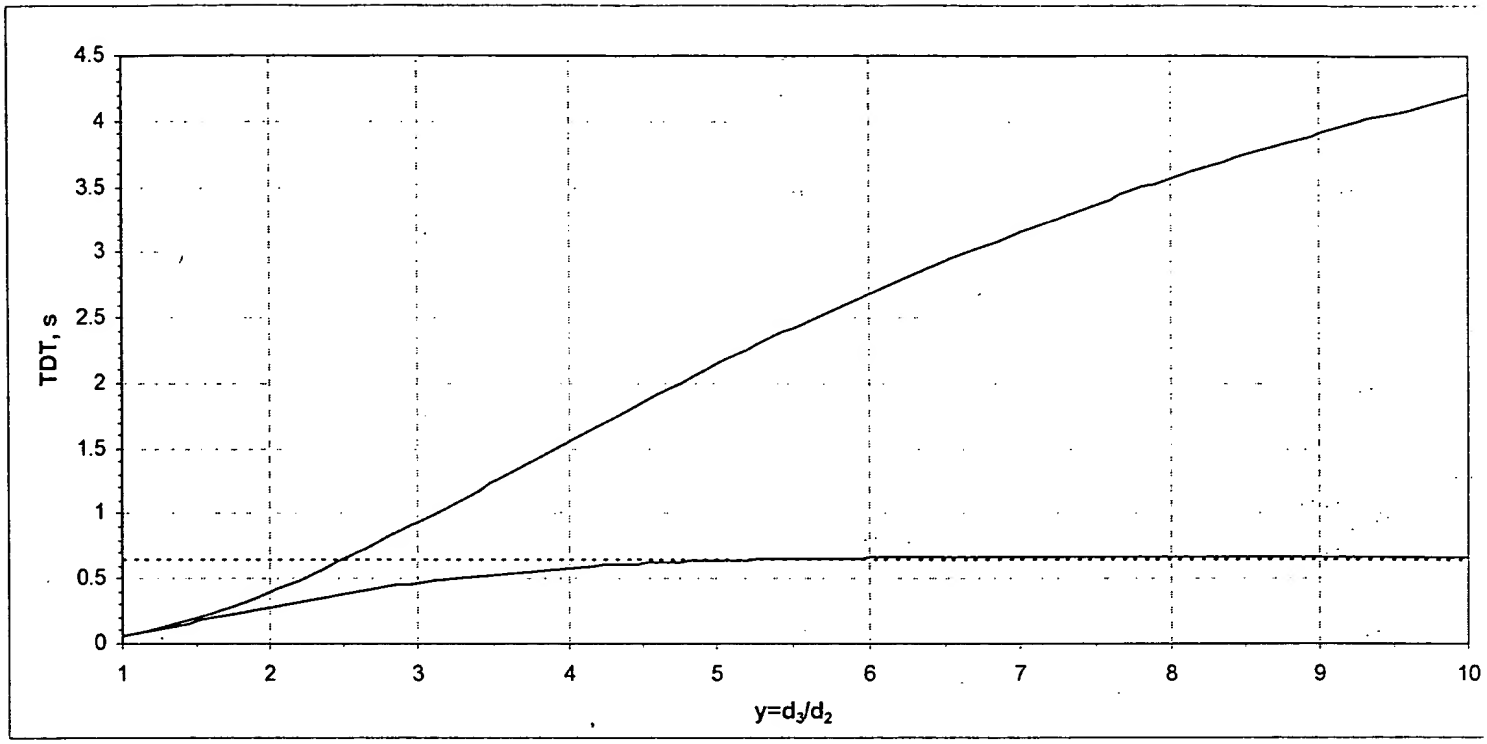
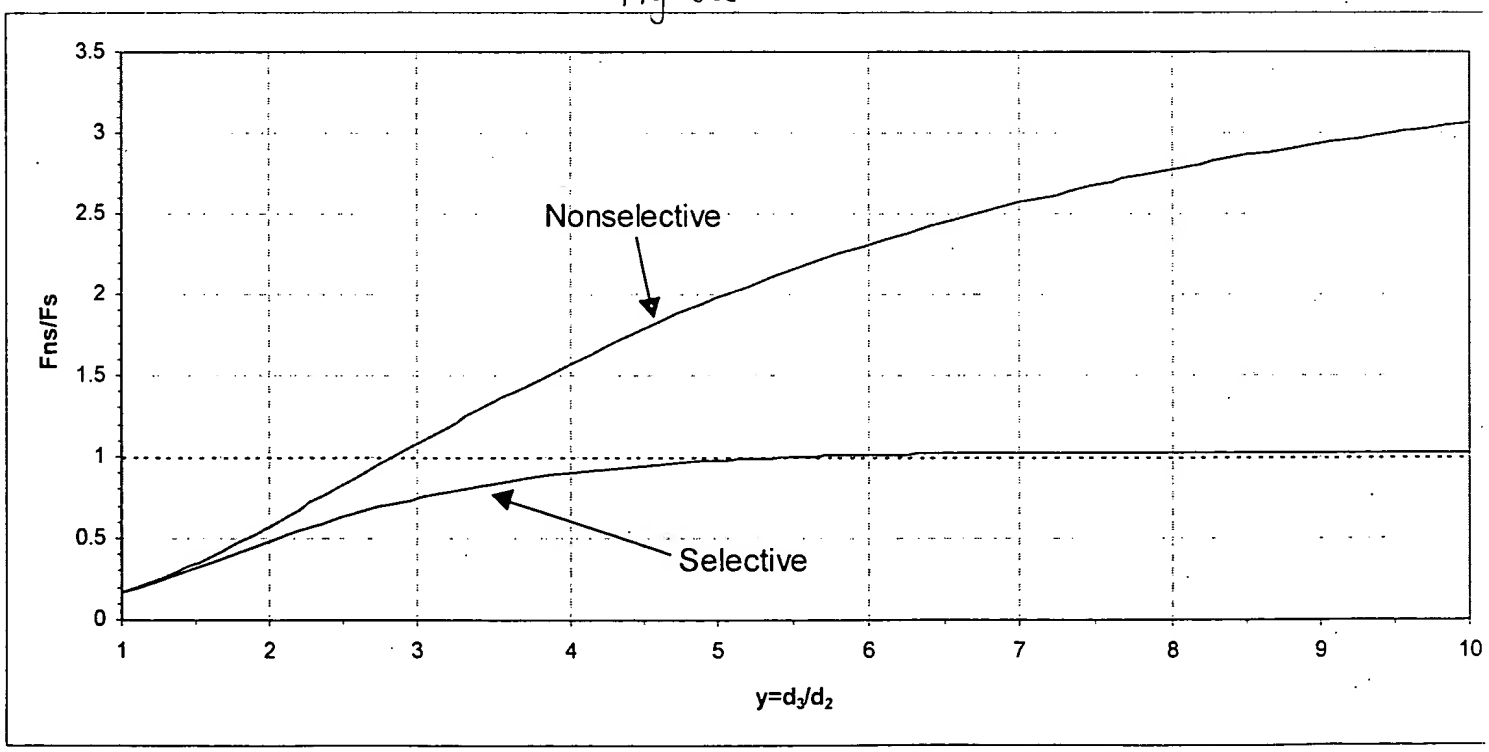


Fig 13a



~~Fig. 10a,b~~

Fig. 13 b